

BIOFerm™ Solar

3.5 MEGAWATT GROUND MOUNT CASE STUDY



Kumamoto, Japan

Telesun HongKong Investment

This project all started as a mountain side, and in just 5 short months it turned into a large renewable energy project. The system was developed by BIOFerm's VP of Solar Operations, and was financially backed by the first ever solar module maker, Telesun Hongkong. It is among the best performing solar systems in Telesun's entire portfolio, with BIOFerm's personnel leading the development, engineering, procurement, construction, and finally the selling of this one of a kind solar project.



System Overview

Using 260 modules, this south facing ground mount system is made up of 260W panels and has a fixed racking system. The high quality racking system, and exceptional installation job, actually made this solar system have absolutely no damage after a huge earthquake in Japan during 2016. This project was completed in the short time of just under 5 months, by well experienced industry laborers.



Financials

- > Financially backed by Telesun
- > Due to the experienced and efficient labor, the total EPC cost came out to be 30% lower than the local industry standard at the time.



Technology Benefits

- > With our design systems can be based on the shape of the landscape. Due to this ability there is no need for ground shaping which saves a lot in terms of cost and time.
- > Low POS cost per watt



Power & Energy Production

- > Annual Energy Production: 3.62 MWh/year
- > AC Capacity: 3.2 MWac
- > DC Capacity: 3.52 MWdc
- > DC:AC Ratio: 1.1